Work Order January-18-13 10				*957	766*					Page 1
Revision ID: Item Name:	D3235-1 Mounting			Accept	*N90004	<b>೧</b> 1೧(	<b>)*</b> Set	tup Start Stop	1 11 1	S1* S2*
Start Date: 2 Required Date: 2 Reference:	2/11/13	Start Qty: 60.00 Req'd Qty: 60.00	*60* *60*		Cust Item ID: Customer:					
•		Plan: MC5	,		Date:		Ru	n Start Stop	I <b>V</b>	R1* R2*
Sequence ID/ Work Center ID		Operation Description		Set Up/ Run Hours	Tool ID Tool	l# Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr		Revision Nbr		· :						
D3235		Rev A	······································							
*100 *100* Bandsaw	·	BAND SAW		0.00			· ·		·	
Jeaspa Bandsaw		Batch:	extrusion to 0.820"					•		
110				0.00			<b>A</b> (			
*110* HANS 1 PC	w	HAAS CNC VERTICAL	MACHINING #1	0.00			<u>(`</u> &	13/	01/21	60
HAAS CNG vertical r	nachine #	l 1-Machine a 2-Identify a 3-Deburr	as per Folio FA369 and Dwg	3 D3235 Deel 7 10	to meter as parding p	P/0:	18883			
120		QC2-Inspect parts off n	iachine FAÍ/FAIB	Muchine	as parding D	3235	Rev.	A		
*\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	·l	Memo		0.00			664		·	3-01-
Quarity Control		red ti	nspect						1 .	
	$\alpha$	Stacked c	of a to w	10.						

												DQA:	Da	te:	
NCR:	Yes	/ No				WORK ORDER NON-	COI	NFOR	MANCE / UPE	<b>DATE</b>		•			¥c.
											C	QA Closed:	Da	ite:	
Work Ord	er.			•		DISPOSITION			·	AGAINST DE	EΡ	ARTMENT/	PROCESS		
Part i	No.					Rework Scrap Use-as-is Work Order Update		I Thern	Skid-tube  Machining  noforming  Large Fab	Crosstube Small Fab Finishing Composite			Water Jet d. Eng. Coor. e/Packaging Supplier		Engineering Quality Other
Root						ption of work order update		Initial	Acti	on		Sign &			
Cause		Date	Step	Qty	(	or Non-conformance	Ct	nief Eng	Descri	ption	$\perp$	Date	Verificatio	n	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier					·										·
Training															
Unapproved		1													
		·			<u> </u>	F	AUI	LT CATE	GORY						
Landi	ng (	Gear				General		_							_
		Bending Centre No Cracks Crushed/o Cuffs Heat Trea	Crimped.	ntric to	o/s	Bend BOM/Route Broken/Damaged Burrs Contamination Countersink			or: Incomplete ions Incomplete/U nance	nclear		Ovalized Over/Under Part Incorrect Part Lost/Mix Part Moved Positioned W	ct ssing		Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled
		Inspection	n Strip in	Tube		Cut Too Short	Misread			Power Loss/Surge			$\cdot \Box$	Other	

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

Folio

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Work Orde January-18-13		766		*(	95766	<b>*</b>							Page 2
Item ID: Revision ID: Item Name:	D3235-1 Mounting Lug			Accept	*N	1900	<b>040</b>	100	)* S	etup	Start Stop	*NS	S1* S2*
Start Date: Required Date: Reference:	2/11/13 2/11/13	Start Qty: 60.00 Req'd Qty: 60.00	*60* *60*			Cust Item II Customer:	D:						
Approvals:		n:	Date:	Tooling: SPC (Y/N	V): '		te:		R	tun	Start Stop	*NI *NI	₹1* ₹2*
Sequence ID/ Work Center II  30  * QC Quality Control	)	Operation Description  QColorspect parts - secon	d check	Set Up Run H 0.00 0.00	four As 15 13 V2	Tool ID	Tool#	Plan Code	Accept Qty	Rej Qty		Reject Number	Insp. Stamp
*140 *140* HandFinish Hand Finishing		Chemical Conversion Coa	t per QS1005 4.1	0.00					60		G.	13-2	?- F
160		White Gloss(Ref 4.3.5.1)	ner OSI005 4 3-Alum	0.00									

\*160\* Powdercoat

Powder Coating

MIBBB

Memo START TIME: OVEN TEMPERATURE FINISH TIME: 7.44

0.00

60 \$ d 528

Nork Order:   DISPOSITION   AGAINST DEPARTMENT/PROCESS									DQA: Date:						:
Part No.   Scrap   Use-as-is   Work Order Update   Work Order Update   Use-as-is   Use-a	NCR:	Yes	/ No					WORK ORDER NON-C	O	NFORM	AANCE / UPDATE		•		*
Part No. Skid-tube Scrap Use-as-is Work Order Update Verification Other Scrap Use-as-is Work Order Update Verification Other Scrap Use-as-is Other Use-as-is													QA Closed:	Date	:
Root Cause Date Step Qty Description of work order update or Non-conformance Chief Eng Description Date Verification QC Inspector  Root Landing Gear General Sending Coracks General General Coracks General G	Nork Orde	er:						DISPOSITION			AGAIN	NST DE	PARTMENT	/PROCESS	
Cause Date Step Qty or Non-conformance Chief Eng Description Date Verification QC Inspector  De/Data Dulp/Tooling Deperator Date Description Date Date Date Date Date Date Date Date	Part I	No.						Scrap Use-as-is		! Therm	Machining Small I	Fab ing		d. Eng. Coor.	Quality
Dec/Data	Root					Des	crip	otion of work order update		nitial	Action	•	Sign &		
perator aterial by the perator aterial by the process by the process by the policy between the process by the policy by the policy by the process by the policy by the pol	Cause		Date	Step	Qty		C	r Non-conformance	Ch	ief Eng	Description		Date	Verification	QC Inspector
Landing Gear  Bending Centre Not Concentric to O/S Cracks Crushed/Crimped Cuffs Contamination Contersink Countersink Contamination Contamination Centre Not Concentric to O/S Bom/Route Hardware Hardware Cover/Under tolerance Dover/Under tolerance Temperature/Cure Weld Part Incorrect Weld Part Moved Part Moved Part Moved Part Moved Positioned Wrong	oc/Data quip/Tooling perator laterial etup ther rocess upplier raining														
Bending Bend Grain Ovalized Pressure/Forced Centre Not Concentric to O/S BOM/Route Hardware Over/Under tolerance Temperature/Cure Cracks Broken/Damaged Inspection Incomplete Part Incorrect Weld Crushed/Crimped. Burrs Instructions Incomplete/Unclear Part Lost/Missing Wrong Stock Pulled Cuffs Contamination Maintenance Part Moved Heat Treat Countersink Mislabeled Positioned Wrong								F/	AUL	T CATE	GORY				
Centre Not Concentric to O/S BOM/Route Hardware Over/Under tolerance Temperature/Cure Cracks Broken/Damaged Inspection Incomplete Part Incorrect Weld Crushed/Crimped Burrs Instructions Incomplete/Unclear Part Lost/Missing Wrong Stock Pulled Cuffs Contamination Maintenance Part Moved Heat Treat Countersink Mislabeled Positioned Wrong	Landi	ng G	iear			-		General					_	_	_
Crushed/Crimped.  Cuffs Contamination Heat Treat  Crushed/Crimped.  Burrs Instructions Incomplete/Unclear Maintenance Mislabeled  Part Lost/Missing Wrong Stock Pulled Part Moved Positioned Wrong Positioned Wrong			Centre No	t Concen	ntric to (	D/S		BOM/Route		Hardwa			Over/Under	ļ	Temperature/Cure
Cuffs Contamination Maintenance Part Moved Heat Treat Countersink Mislabeled Positioned Wrong				اممسمنت		ŀ		. •	-	1	·	$\vdash$	-	<b></b>	
Heat Treat Countersink Mislabeled Positioned Wrong				.mped.		}			$\vdash$	1		-	<b>⊣</b>	22HIR	Tyvious Stock Falled
				t		ŀ	-		-	1		$\vdash$	┥	Vrong	
					Tube	}				ł		-	<b>-1</b>		Other
Ripples in Bend Drill Holes Offset		_			. 450	}			$\vdash$	ł		<u>_</u>	J. 0Wei 1033/		Journe
Torque Waves in Extrusion Drawing Out of Calibration			* '		xtrusion	,				1	alibration				
Turning Sequence Finish Out of Sequence			·		45.01	·		•		ł					

Outside Dimensions

Wave/Twist in Tube

Folio

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Work Orde January-18-13				*957	66*					Page 3
Item ID: Revision ID: Item Name:	D3235-1  Mounting Lug	9		Accept	*N900040	1100	* Se	tup Sta Sto	I VI	S1* S2*
Start Date: Required Date: Reference:	2/11/13	<b>Start Qty:</b> 60.00 <b>Req'd Qty:</b> 60.00	*60* *60*		Cust Item ID: Customer:					
Approvals:		an:	Date:	Tooling: SPC (Y/N):	Date:		Rı	un Sta Sto		R1* R2*
Sequence ID/ Work Center II 170 *170* QC Quality Control	D	Operation Description QC3- Inspect Part Finish Memo		Set Up/ Run Hours 0.00 3.2.5	Tool ID Tool #		Accept Qty	Reject Qty	Reject Number	Insp. Stamp
*180 *180* Packaging Packaging		Identify as per dwg & Stoo	Location:	0.00					43/0	125 60
190 <b>*1 Q \ *</b> QC Quality Control		QC21- Final Inspection - \ Memo	Work Order Release	0.00				13	bb	5 X

13-2-25

NCR:	Yes	/ No				<b>WORK ORDER NON-</b>	-co	NFORM	MANCE / UPI	DATE			*
·	•										QA Closed:	Date	
Work Ord	ler:					DISPOSITION				AGAINST D	EPARTMENT	/PROCESS	
Part NCR	No.	-				Rework Scrap Use-as-is Work Order Update		Thern	Skid-tube  Machining  noforming  Large Fab	Crosstube Small Fab Finishing Composite		Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root					Descri	ption of work order update		Initial	Act	ion	Sign &		
Cause		Date	Step	Qty		or Non-conformance	Cl	hief Eng	Descr	iption	Date	Verification	QC Inspector
Doc/Data	L	]	]					·					
Equip/Tooling	L												
Operator													
Material	L										:		
Setup	L		1										
Other			:		•								
Process													
Supplier													
Training			ļ										
Unapproved													
							FAU	LT CATE	GORY				
Land	ing (	Gear				General			•				
		Bending				Bend		Grain			Ovalized		Pressure/Forced
		Centre N	ot Concer	ntric to (	o/s	BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure
		Cracks				Broken/Damaged		Inspecti	or: Incomplete		Part Incorre	ct	Weld
	[	Crushed/	Crimped.			Burrs	Г	Instruct	ions Incomplete/L	Inclear	Part Lost/M	issing	Wrong Stock Pulled
		Cuffs				Contamination		Mainte	enance		Part Moved	_	_
	Г	Heat Trea	at			Countersink		Mislabe	led	Γ	Positioned \	Vrong	
	Г	Inspectio	n Strip in	Tube		Cut Too Short		Misread	1		Power Loss	'Surge	Other
		Ripples ir	Bend			Drill Holes		Offset		_	<b>-</b>	<b>L</b>	
	Г	Torque W	/aves in E	xtrusion	,	Drawing	Г	Out of 0	Calibration				

Out of Sequence

Outside Dimensions

DQA:

Date:

Turning Sequence

Wave/Twist in Tube

Finish

Folio

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Page 1

Work Order ID:

95766

Parent Item:

D3235-1

Parent Item Name:

Mounting Lug

**Start Date: 2/11/13** 

Required Date: 2/11/13

**Start Qty:** 60.00

Required Qty: 60.00

Comments:

IPP A04.04.19New issueKJ/JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2423 Lug Extrusion	a a array tam-yelith-ye- 15th-yelith-ye-	Manufactured	No			110	f	761.4340	0.0683	4.313682			
				Location		Loc Qty	<u>L</u> c	oc Code					
				MAT006		425.434							
				4372	2	161.5							
				8795	3	263.934							
				Metec		336	<b>-</b> >			F13-	3	5	
				9355	1	336	)		M	F13-			
D3235-1P lug		Purchased	No			100	Each	0.0000	1	60	60	Χ	
. •										SO	12	$-\infty$	-21-

			د' •
No. V. A. V.	WORK ORDER NON CO.	DQA:	Date:
NCR: Yes / No	WORK ORDER NON-CO	NFORMANCE / UPDATE  QA Closed:	Date:
Work Order:	DISPOSITION	AGAINST DEPARTMENT	/PROCESS
Part No	Rework	Skid-tube Crosstube Pro	Water Jet Engineering

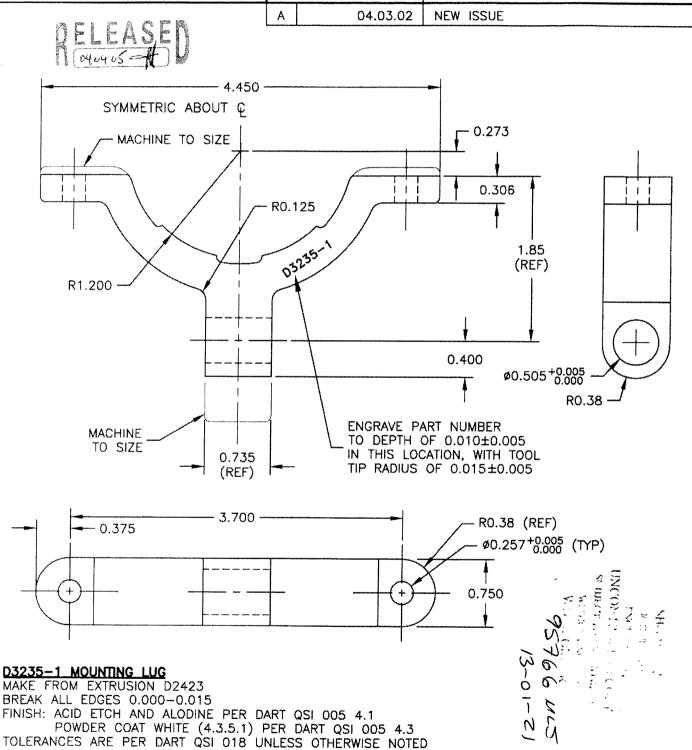
										QA Closed:	Date	:
Work Order:					DISPOSITION				AGAINST DE	PARTMENT,	/PROCESS	
Part No NCR No					Rework Scrap Use-as-is Work Order Update	]   	N Therm	Skid-tube Machining noforming Large Fab	Crosstube Small Fab Finishing Composite		Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root Cause	Date	Step	Qty		ption of work order update	Init Chief			tion ription	Sign &	Verification	OC Inchestor
occ/Data quip/Tooling perator Material etup other rocess upplier raining	- Date	Зіер	Q L			Ciliei	Elig	Desc	ription	Date	vernication	QC Inspector
					F	AULT (	CATE	GORY				
Landing	_			_	General	_				1	-	<b></b>
	Bending Centre No Cracks Crushed/O		ntric to (	O/S	Bend BOM/Route Broken/Damaged Burrs	Ha In:	structi	re on Incomplete ions Incomplete/	Unclear	Ovalized Over/Under Part Incorred Part Lost/Mi	ct _	Pressure/Forced Temperature/Cure Weld Wrong Stock Pulled
	Heat Trea	t			Contamination Countersink	-	i ainte Iislabe		<b>—</b>	Part Moved Positioned V	Vrong	_
	Inspection Ripples in	•	Tube		Cut Too Short Drill Holes	-	lisread ffset			Power Loss/	Surge	Other
	Torque W		xtrusio	1 <u> </u>	Drawing			Calibration				
	Turning So Wave/Tw		e		Finish Folio	_		Sequence Dimensions				

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	DESIGN ()	DRAWN BY		RT AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
1	CHECKED	APPROVED	DRAWING NO.		REV. A
	7		D3235	SHEET	1 OF 1
	DATE		TITLE		SCALE
	04.03.02		MOUNTING	LUG	1:1
	٨	040700	NEW ICCL	P***	



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Dart Aerospace Ltd. 1270 Aberdèen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053

## **PURCHASE ORDER**

## Purchase Order ID PO18883

Purchase Order Date 1/21/13 PO Print Date 1/21/13

Page Number 1 of 1

Order From:

METEC METAL TECHNOLOGY INC. 20 TERRY FOX DRIVE PO BOX 781 VANKLEEK HILL, ON KOB 1RO

CA

Contact Name

**Vendor Phone** Vendor Fax

613 678 3957

613 678 3956

Vendor Account Nbr

VC-MET003

Buyer

Requisition Nbr Tax Resale Nbr

**Terms** 

Currency

FOB

Chantal Lavoie

10127-2607 Net 10

CAD

Destination-Collect

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN HAWKESBURY, ON K6A 1K7 **CANADA** 



Extended **Unit Price** Req Date/ Req Qty/ Ship Method Line Nbr Reference Description/ Price Taxable Unit of Measure Mfg ID Revision ID Vender Part Number \$1,360.00 100.00 Dart Truck \$13.6000 1/30/13 D2230-3P LUG Each Yes



Special Inst.

lug

AS PER DWG D2230 REV. G B95708

1/30/13 Yes 60.00 Each

Dart Truck

\$15.0500

\$903.00

Special Inst AS PER DWG D3235 REV. A B95766

PO Total:

\$2,263.00

CERTIFICATE OF CONFORMITY REQ'D UPON DELIVERY

SP13-01-30,

No substitution or deviation without

Certificate of Conformity of Material Certification required / YES NO

Change Nbr:

1 bange Date: 1/21/13



## SALES ORDER CONFIRMATION

Order No.:

18883

Date:

Jan 22, 2013

Page:

Sold To:

Ship To:

Dart Aerospace Ltd. Att. Linda Lacelle 1270 Aberdeen Street Hawkesbury, Ontario K6A 1K7

Dart Aerospace Ltd. Att. Linda Lacelle 1270 Aberdeen Street Hawkesbury, Ontario K6A 1K7

Business No.:

867 061 723 RT0001

Business N	γ (	867 061 723 R 10001					
Order	ed	Unit		Ď	escription	Unit Price	Amount
	100	Each	D2230-3	Mounting Lug		13.60	1,360.00
	60	Each	D3235-1	Mounting Lug		15.05	903.00
			Subtotal:	Sm			2,263.00
			H - HST 139 HST	6			294.19
			!				
<u>.</u>							
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			_	_		040	
			Terms:		Terms: 2%/10, Net 30. Due Feb 21, 2	013.	
			Delivery		anuary 30 2013		
			Shipped by				;
			Your contac	CT L	Dewar, Eric		
METEC Met	al Techno	ogy Inc. HST: #867	p61 723	······			
Thank	you fo	r your order!				Total Amount in CAD	2,557.19

METEC Metal Technology Inc. 20 Terry Fox Drive P.O. Box 781 Vankleek Hill ON K0B 1R0 Tel. 1-613-678-3957 & 1-613-678-6782

Fax 1-613-678-3956

www.metec.ca



20 Terry Fox Drive Vankleek Hill, Ontario K0B 1R0, Canada Tel: (613) 678-3957 Fax: (613) 678-3956

**Delivery Slip No.:** 

19115

Date:

Jan 30, 2013

Page:

Sold to:	Ship to:
Dart Aerospace Ltd.  Att. Linda Lacelle 1270 Aberdeen Street Hawkesbury, Ontario K6A 1K7	Dart Aerospace Ltd. Att. Linda Lacelle 1270 Aberdeen Street Hawkesbury, Ontario K6A 1K7
Order No.: 18883	Sold By: Dewar, Eric
Shipped By: your truck	Ship Date:

			- Ordered -	Shipped	Backorder
	Description 3.	Unit.	equantity.	quantity/	= quantity
D2230-3	Mounting Lug	Each	100	10,0	7
D3235-1	Mounting Lug	Each	60	60	A second second
		·			
		·			
Should there	goods must be inspected upon receipt to confirm compliance. be discrepancies please notify METEC within 30 days of delivery. e otherwise deemed accepted.				
Receiv	ed by	Thank	Thank you for your order!		

20 Terry Fox Drive, Vankleek Hill, Ontario K0B 1R0 Tel. (613) 678-3957 & (613) 678-2782 Fax (613) 678-3956 metec@metec.ca

## CERTIFICATE OF CONFORMITY

SOLD TO:

SHIPPED TO:

Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, Ont. K6A 1K7

same

QUANTITY	PART NUMBER	PART NAME	P.O. NUMBER
100	D2230-3	Lug	18883
60	D3235-1	Lug	18883

MATERIAL: supplied by DART B93551

We here by certify that the above parts were made in conformance with applicable drawings.

METEC Metal Technology Inc.

Shigi Walz

Vankleek Hill, January 30, 2013